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- (71) Applicant (for all designated States except US): SHOWA DENKO K.K. [JP/JP]; 13-9, Shiba Daimon 1-chome, Minato-ku, Tokyo 1058518 (JP).
- (72) Inventor; and
- (73) Inventor/Applicant (for US only): MIZUKAMI, Hiroshi [JP/JP]; c/o Shiojiri Plant, Showa Denko K.K., 1, Oaza Soga, Shiojiri-shi, Nagano 3996461 (JP).
- (74) Agents: AOKI, Atsushi et al.; A. Aoki, Ishida & Associates, Toranomon 37 Mori Bldg., 5-1, Toranomon 3-chome, Minato-ku, Tokyo 1058423 (JP).
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(54) Title: METHOD FOR SETTING FIRING TEMPERATURE OF CERIUM CARBONATE, METHOD FOR PRODUCING CERIUM OXIDE ABRASIVES AND CERIUM OXIDE ABRASIVES OBTAINED BY THE METHOD

(57) Abstract: A method for producing a cerium oxide abrasive, characterized in that the method comprises firing a raw material of cerium carbonate having a fluorine content F (ppm by mass) falling within a range of 10 to 500 ppm by mass, at a firing temperature T (°C) selected within a temperature range defined by the following formula:  $730 - 14[\log(F)] \leq T \leq 790 - 10[\log(F)]$ .

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